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AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Serial Number: 10/688,573

Filing Date: October 20, 2003

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Robert M. Zeidman	Examiner:	Ben C. Wang
Serial No.:	10/688,573	Group Art Unit:	2196
Filed:	October 20, 2003	Docket No.:	Zeid-01
Title:	SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM		

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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

This Amendment and Response is filed in connection with the Office Action mailed on September 20, 2007. Please amend the above-identified patent application as follows.

IN THE CLAIMS

Please cancel claims 2, 16, and 23.

Please amend the claims as follows:

1. (Currently Amended) A method for developing a real-time operating system, comprising:
a)-specifying a set of n tasks, task(1) through task(n), to be scheduled for execution;
specifying t init-tasks that are executed only once upon initial execution of a task scheduler, t being less than or equal to n;
b)-specifying a scheduling algorithm for scheduling the execution of said set of n tasks; and
e)-synthesizing source code from commands embedded in source code to implement a the task scheduler that uses said scheduling algorithm for controlling execution of said set of n tasks, the task scheduler further controlling one execution of each of said set of t init-tasks, said synthesized source code being executable on a target system after compilation.
2. (Cancelled)
3. (Previously Presented) The method of claim 1) including specifying f f-loop tasks, each having an associated integer value c(i) for i ranging from 1 to f and f being less than or equal to n, said task scheduler including a continuously executing loop such that each f-loop task